

AMENDMENTS TO THE CLAIMS

Claim 1. (Currently Amended) A golf ball comprising
a core and
a cover covering the core,
wherein the core is formed from a rubber composition comprising cis-1,4-polybutadiene
and

the cover, having a thickness of 0.5 to 1.5 mm and a hardness in Shore D of 33 to 52,
comprises polyurethane-based thermoplastic elastomer formed by using nonionic cycloaliphatic
diisocyanate in the backbone structure of the polyurethane molecule as a base resin selected from
the group consisting of 4,4'-dicyclohexylmethane diisocyanate, 1,3-bis
(isocyanatomethyl)cyclohexane, isophorone diisocyanate, and trans-1,4-cyclohexane
diisocyanate;

wherein the nonionic cycloaliphatic diisocyanate base resin is present in an amount
greater than ~~56%~~ 60% by weight based on the total weight of the elastomer ~~of the cover~~,

and the core has a deformation amount of 2.5 to 4.5 mm, when applying from an initial
load of 98 N to a final load of 1275 N on the core, and

the golf ball has a deformation amount of 2.4 to 4.0 mm, when applying from an initial
load of 98 N to a final load of 1275 N on the golf ball.

Claim 2. (Canceled)

Claim 3. (Canceled)

Claim 4. (Previously Presented) The golf ball of claim 1, wherein the core deformation
amount is 2.6 to 4.2 mm.

Claim 5. (Previously Presented) The golf ball of claim 1, wherein the core deformation
amount is 2.7 to 4.0 mm.

Claim 6. (Previously Presented) The golf ball of claim 1, wherein the thermoplastic elastomer is formed by using 4,4'-dicyclohexylmethane diisocyanate.

Claim 7. (Previously Presented) The golf ball of claim 1, wherein the cover further comprises another thermoplastic elastomer or ionomer resin in an amount of 0 to 40 parts by weight based on 100 parts by weight of the whole resin for the cover.

Claim 8. (Previously Presented) The golf ball of claim 1, wherein the deformation amount for the golf ball is 2.5 to 3.7 mm.

Claim 9. (Previously Presented) The golf ball of claim 1, wherein the deformation amount for the golf ball is 2.6 to 3.4 mm.